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(54) BRAKING FORCE CONTROL METHOD

(57) Abstract:

PROBLEM TO BE SOLVED: To reduce sensors so as to reduce the cost of the whole brake system by making a brake work with fluid pressure corresponding to the brake operating quantity in a front wheel system, while feedback-controlling the wheel speed of a rear wheel system with the wheel speed of the front wheel system as a target in a rear wheel system.

SOLUTION: When a brake pedal 1 is depressed, in a front wheel system, a pressure regulating piston is protruded into a fluid pressure chamber by the rotation of a cam based on driving of an electric motor, and front wheels are braked through a brake piston. In a rear wheel system, a brake pad presses a brake disc to apply the brake by driving of the electric motor through a rotary motion-linear motion converting means. At the time of performing rear wheel braking control, the average value of actual wheel speed on the front wheel side and the average value of actual wheel speed on the rear wheel side are taken in from a wheel speed sensor S, and the torque of the motor in a rear wheel motor-driven braking device is controlled to nullify the difference of the average values of the actual wheel speed of the front and rear wheels.